

**ABSTRACT OF THE DISCLOSURE**

Compositions for increasing valuable agronomic traits in plants are provided comprised of seaweed extract and fish hydrolysate. Methods of preparing compositions of  
5 the invention are provided which comprise mixing seaweed extract with fish hydrolysate and fermenting the mixture. Methods of increasing at least one valuable agronomic trait in a plant are provided comprising applying a composition comprising seaweed extract and fish hydrolysate to the plant.